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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : David E. Wolf
Serial No. : 10/706,687
Filed : November 12, 2003
Title : MONODISPERSE PREPARATIONS USEFUL WITH IMPLANTED DEVICES

Art Unit : 1714
Examiner : Unknown

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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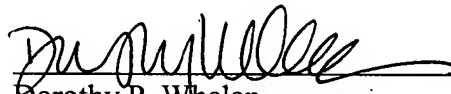
The following correspondence relating to this application is enclosed for filing:

1. Information Disclosure Statement (1 page);
2. Form PTO-1449 (7 pages);
3. Copy of Cited Reference (1 reference); and
4. A Return Postcard.

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Respectfully submitted,

Date: 11/3/04

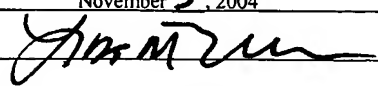

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INFORMATION DISCLOSURE STATEMENT

Copies of the references listed on the attached form PTO-1449 are enclosed.

Under 35 USC §120, this application relies on the earlier filing date of application serial number 09/439,545, filed on November 12, 1999. All of the references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application with the exception of reference nos. AN, ASS, ATT, and ABBBBB, copies of which are being provided. Since this application was filed after July 1, 2003, only copies of non-U.S. patent references are being provided.

This statement is being filed before the receipt of a first Office Action on the merits.
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Substitute Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Attorney's Docket No.

04037-011002

Application No.

10/706,687

Information Disclosure Statement**by Applicant**

(Use several sheets if necessary)

Applicant

David E. Wolf

Filing Date

November 12, 2003

Group Art Unit

1714

(37 CFR § 1.98(b))

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,041,932	08/16/77	Fostick			
	AB	4,071,020	01/31/78	Pugliese			
	AC	4,330,299	05/18/82	Cerami			
	AD	4,344,438	08/17/82	Schultz			
	AE	4,352,883	10/05/82	Lim			
	AF	4,353,888	10/12/82	Sefton			
	AG	4,391,909	07/05/83	Lim			
	AH	4,401,122	08/30/83	Clark, Jr.			
	AI	4,409,331	10/11/83	Lim			
	AJ	4,532,123	07/30/85	Gardner			
	AK	4,663,286	05/05/87	Tsang et al.			
	AL	4,744,933	05/17/88	Rha et al.			
	AM	4,806,355	02/21/89	Goosen et al.			
	AN	4,868,103	09/19/89	Stavrianopoulos et al.			
	AO	4,933,185	06/12/90	Wheatley et al.			
	AP	4,981,779	01/01/91	Wagner			
	AQ	5,001,051	03/19/91	Miller et al.			
	AR	5,028,787	07/02/91	Rosenthal et al.			
	AS	5,084,350	01/28/92	Chang et al.			
	AT	5,101,814	04/07/92	Palti			
	AU	5,143,066	09/01/92	Komives et al.			
	AV	5,211,945	05/18/93	Wallach et al.			
	AW	5,227,298	07/13/93	Weber et al.			
	AX	5,244,636	09/14/93	Walt et al.			
	AY	5,320,814	06/14/94	Walt et al.			
	AZ	5,324,518	06/28/94	Orth et al.			
	AAA	5,326,531	07/05/94	Hahn et al.			

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	ABB	5,330,768	07/19/94	Park et al.			
	ACC	5,341,805	08/30/94	Stavridi et al.			
	ADD	5,342,789	08/30/94	Chick et al.			
	AEE	5,427,935	06/27/95	Wang et al.			
	AFF	5,459,054	10/17/95	Skjak-Braek et al.			
	AGG	5,460,971	10/24/95	Gottlieb			
	AHH	5,512,544	04/30/96	Wallach et al.			
	AII	5,543,158	08/06/96	Gref et al.			
	AJJ	5,545,423	08/13/96	Soon-Shiong et al.			
	AKK	5,578,325	11/26/96	Domb et al.			
	ALL	5,626,862	05/06/97	Brem et al.			
	AMM	5,651,980	07/29/97	Lanza et al.			
	ANN	5,679,340	10/21/97	Chappel			
	AOO	5,869,077	02/09/99	Dionne et al.			
	APP	5,871,767	02/16/99	Dionne et al.			
	AQQ	5,972,363	10/26/99	Clikeman et al.			
	ARR	5,955,108	09/21/99	Sutton et al.			
	ASS	6,040,194	03/21/00	Chick et al.			
	ATT	6,126,936	10/03/00	Lanza et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AUU	0 127 713	11/02/89	EPO				
	AVV	0 127 989	12/12/84	EPO				
	AWW	0 180 309 B2	12/17/97	EPO				
	AXX	0 188 309 B1	05/23/90	EPO				
	AYY	0 301 777 A1	02/01/89	EPO				

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	AZZ	0 433 900 B1	09/20/95	EPO				
	AAAA	0 512 528 B1	09/15/99	EPO				
	ABBB	0 526 905 A2	02/10/93	EPO				
	ACCC	0 606 869 A1	07/20/94	EPO				
	ADDD	1 236 885	06/23/71	GB				
	AEEE	1 257 178	12/15/71	GB				
	AFFF	2 119 734 A	11/23/83	GB				
	AGGG	WO 83/03061	09/15/83	PCT				
	AHHH	WO 90/10861	09/20/90	PCT				
	AIII	WO 92/19195	11/12/92	PCT				
	AJJJ	WO 93/24112	12/09/93	PCT				
	AKKK	WO 94/12161	06/09/94	PCT				
	ALLL	WO 94/15589	07/21/94	PCT				
	AMMM	WO 95/19743	07/27/95	PCT				
	ANNN	WO 95/31206	11/23/95	PCT				
	AOOO	WO 96/28029	09/19/96	PCT				
	APPP	WO 99/29306	06/17/99	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQQQ	Abbas et al., "Cytokines," <u>Cell. Mol. Immunol.</u> , W.B. Saunders Co., 2 nd Edition, 1994, Chapter 12, pp. 240-260
	ARRR	Bruce and Heinrich, "Production and Characterization of Biologically Active Recombinant Human Nerve Growth Factor," <u>Neurobiology of Aging</u> , 1989, 10:89-94
	ASSS	Bruni et al., "Hepatocytes Immobilised by Microencapsulation in Artificial Cells: Effects on Hyperbilirubinemia in Gunn Rats," <u>Biomat., Art. Cells, Art. Org.</u> , 1989, 17(4):403-411
	ATTT	Cai et al., "Development and Evaluation of a System of Microencapsulation of Primary Rat Hepatocytes," <u>Hepatology</u> , 1989, 10(5):855-860
	AUUU	Cardullo et al., "Detection of nucleic acid hybridization by nonradiative fluorescence resonance energy transfer," <u>Proc. Natl. Acad. Sci. USA</u> , 1988, 85(23):8790-8794
	AVVV	Cardullo et al., "Synthesis, Purification, and Characterization of 2,4,6-Trinitrophenyl-UDP-galactose: A Fluorescent Substrate for Galactosyltransferase," <u>Anal. Biochem.</u> , 1990, 188:305-309

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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AWWW	Cerra, "Hypermetabolism, organ failure, and metabolic support," <u>Surgery</u> , 1987, 101(1):1-14
	AXXX	Chang et al., "Semipermeable Aqueous Microcapsules. I. Preparation and Properties," <u>Can. J. Physiol. Pharmacol.</u> , 1966, 44:115-128
	AYYY	Chang, "Artificial Cells: The Use of Hybrid Systems," <u>Artificial Organs</u> , 1980, 4(4):264-271
	AZZZ	Chang, "Artificial Cells in Immobilization Biotechnology," <u>Biomat., Art. Cells & Immob. Biotech.</u> , 1992, 20(5):1121-1143
	AAAAA	Chang, "Blood Substitutes Based on Modified Hemoglobin Prepared by Encapsulation or Crosslinking: An Overview," <u>Biomat., Art. Cells & Immob. Biotech.</u> , 1992, 20(2-4):159-179
	ABBBB	Chang, "Living Cells and Microorganisms Immobilized by Microencapsulation inside Artificial Cells," <u>Fundamentals of Animal Cell Encapsulation and Immobilization</u> , 1993, Goosen (ed.), CRC Press, Chapter 8, pp. 183-196
	ACCCC	Chang, "Bioencapsulation in Biotechnology," <u>Biomat., Art. Cells & Immob. Biotech.</u> , 1993, 21(3):291-297
	ADDDD	Chien et al., "The two-hybrid system: A method to identify and clone genes for proteins that interact with a protein of interest," <u>Proc. Natl. Acad. Sci. USA</u> , 1991, 88:9578-9582
	AEEEE	Dahinden et al., "Regulation of Cytokine Expression by Human Blood Basophils," <u>Int. Arch. Allergy Immunol.</u> , 1997, 113:134-137
	AFFFF	de Oca et al., "21-Aminosteroid & 74389G (Lazaroid) Inhibits Bacterial Translocation After Small Bowel Transplantation in Rats," <u>Transplantation Proceedings</u> , 1997, 29(3):1803
	AGGGG	Dupuy et al., "Microencapsulation of isolated pituitary cells by polyacrylamide microlatex coagulation on agarose beads," <u>Biomaterials</u> , 1991, 12(5):493-496
	AHHHH	Essayan et al., "Regulation of Interleukin-13 by Type 4 Cyclic Nucleotide Phosphodiesterase (PDE) Inhibitors in Allergen-Specific Human T Lymphocyte Clones," <u>Biochemical Pharmacology</u> , 1997, 53(7):1055-1060
	AIIII	Fici et al., "Effects of Lazaroids and a Peroxynitrite Scavenger in a Cell Model of Peroxynitrite Toxicity," <u>Free Radical Biology & Medicine</u> , 1997, 22(1/2):223-228
	AJJJJ	Förster, "Experimentelle und theoretische Untersuchung des zwischenmolekularen Übergangs von Elektronenanregungsenergie," <u>Zeitschrift für Naturforschung</u> , 1949, 4a:321-327
	AKKKK	Förster, "Transfer Mechanisms of Electronic Excitation," <u>Discussions of the Faraday Society</u> , 1959, 27:7-17
	ALLLL	Goodman et al., "Long Pentraxins: an Emerging Group of Proteins with Diverse Functions," <u>Cytokine & Growth Factor Reviews</u> , 1996, 7(2):191-202
	AMMMM	Goosen et al., "Immobilization of Living Cells in Biocompatible Semipermeable Microcapsules: Biomedical and Potential Biochemical Engineering Applications," <u>Polymers in Medicine II: Biomedical and Pharmaceutical Applications</u> , 1985, Chiellini et al., (eds.), Plenum Press, pp. 235-246
	ANNNN	Goosen, "Insulin Delivery Systems and the Encapsulation of Cells for Medical and Industrial Use," <u>CRC Critical Reviews in Biocompatibility</u> , 1987, 3(1):1-24
	AOOOO	Grasbon-Frodl et al., "Mesencephalic neuron death induced by congeners of nitrogen monoxide is prevented by the lazardoid U-83836E," <u>Exp. Brain Res.</u> , 1997, 113:138-143
	APPPP	Haugland, <u>Handbook of Fluorescent Probes and Research Chemicals</u> , 1989, Molecular Probes, Inc., Eugene, OR (TOC only)

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	AQQQQ	Heller and Morrison, "Chemiluminescent and Fluorescent Probes for DNA Hybridization Systems," <u>Rapid Detection and Identification of Infectious Agents</u> , 1985, Academic Press, pp. 245-256
	ARRRR	Heller et al., "Fluorescent Energy Transfer Oligonucleotide Probes," <u>Federation Proceedings</u> , 1987, 46(6), Abstract No. 248
	ASSSS	Ishizaki et al., "Comparison of Various Lazaroid Compounds for Protection Against Ischemic Liver Injury," <u>Transplantation Proceedings</u> , 1997, 29(1/2):1333-1334
	ATTTT	Ito et al., "In vitro Study of Multicellular Hepatocyte Spheroids Formed in Microcapsules," <u>Artif. Organs</u> , 1992, 16(4):422-427
	AUUUU	Joyce et al., "Two inhibitors of pro-inflammatory cytokine release, interleukin-10 and interleukin-4, have contrasting effects on release of soluble p75 tumor necrosis factor receptor by cultured monocytes," <u>Eur. J. Immunol.</u> , 1994, 24(11):2699-2705
	AVVVV	Kirk-Othmer, <u>Encyclopedia of Chemical Technology</u> , Fourth Edition, John Wiley & Sons, New York, Vol. 4, pp. 208-220
	AWWWW	Krysztopik et al., "Lazaroids Prevent Acute Cyclosporine-induced Renal Vasoconstriction," <u>Transplantation</u> , 1997, 63(9):1215-1220
	AXXXX	Kucharzik et al., "Synergistic Effect of Immunoregulatory Cytokines on Peripheral Blood Monocytes from Patients with Inflammatory Bowel Disease," <u>Digestive Diseases and Sciences</u> , 1997, 42(4):805-812
	AYYYY	Lakowicz, "Fluorescence Lifetime Sensing Generates Cellular Images," <u>Laser Focus World</u> , 1992, 28(5):60-62, 66-80
	AZZZZ	Lanza et al., "Xenotransplantation of canine, bovine, and porcine islets in diabetic rats without immunosuppression," <u>Proc. Natl. Acad. Sci. USA</u> , 1991, 88(24):11100-11104
	AAAAA	Lanza et al. (eds.), <u>Immunomodulation of Pancreatic Islets</u> , 1994, R.G. Landes, Texas, Chapter 7
	ABBBB	Leung et al., "Microencapsulation of Crystalline Insulin or Islets of Langerhans: An Insulin Diffusion Study," <u>Artificial Organs</u> , 1983, 7(2):208-212
	ACCCC	MacDonald, "Human Recombinant Histamine-Releasing Factor," <u>Int. Arch. Allergy Immunol.</u> , 1997, 113:187-189
	ADDDD	McKinnon et al., "Cross-Linking a Maturation-Dependent Ram Sperm Plasma Membrane Antigen Induces the Acrosome Reaction," <u>Molecular Reproduction and Development</u> , 1991, 29:200-207
	AEEEE	Meadows and Schultz, "Fiber-optic Biosensors Based on Fluorescence Energy Transfer," <u>Talanta</u> , 1988, 35(2):145-150
	AFFFF	Nelson and Feldman, "Diabetes Mellitus in Dogs & Cats," <u>Diabetes Spectrum</u> , 1992, 5(6):324-325, 370-371
	AGGGG	Nguyen et al., "Interleukin (IL)-15 is a Novel Cytokine That Induces Lymphokine-activated Killer (LAK) Activity in Neonatal Cells," <u>J. Invest. Med.</u> , 1997, 45(3):241A
	AHHHH	Parker and Cox, "Glucose/oxygen sensor," <u>SPIE</u> , 1986, 713:113-120
	AIIII	Patel and Gores, "Inhibition of Bile-Salt-Induced Hepatocyte Apoptosis by the Antioxidant Lazaroid U83836E," <u>Toxicology and Applied Pharmacology</u> , 1997, 142(1):116-122
	AJJJJ	Roberts et al., "Natural Killer (NK) Activity in Neonatal Cells: Role of Interleukin (IL)-12 and IL-15," <u>J. Invest. Med.</u> , 1997, 45(3):235A

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	AKKKKK	Rosenberg et al., "Gene Transfer Into Humans – Immunotherapy of Patients with Advanced Melanoma, Using Tumor-Infiltrating Lymphocytes Modified by Retroviral Gene Transduction," <u>New Eng. J. Med.</u> , 1990, 323(9):570-578
	ALLLLL	Schultz et al., "Affinity Sensor: A New Technique for Developing Implantable Sensors for Glucose and Other Metabolites," <u>Diabetes Care</u> , 1982, 5(3):245-253
	AMMMMM	Segal et al., "Microbial Products Induce Autoimmune Disease by an IL-12-Dependent Pathway," <u>J. Immunol.</u> , 1997, 158:5087-5090
	ANNNNN	Soon-Shiong et al., "An Immunologic Basis for the Fibrotic Reaction to Implanted Microcapsules," <u>Transplantation Proceedings</u> , 1991, 23(1):758-759
	AOOOOO	Soon-Shiong et al., "Successful Reversal of Spontaneous Diabetes in Dogs by Intraperitoneal Microencapsulated Islets," <u>Transplantation</u> , 1992, 54(5):769-774
	APPPPP	Stryer and Haugland, "Energy Transfer: A Spectroscopic Ruler," <u>Proc. Natl. Acad. Sci. USA</u> , 1967, 58:719-726
	AQQQQQ	Sun et al., "Microencapsulated Cells As Hormone Delivery Systems," <u>CRC Critical Reviews in Therapeutic Drug Carrier Systems</u> , 1987, 4(1):1-12
	ARRRRR	Tanaka et al., "Lazaroid U-74500A For Warm Ischemia and Reperfusion Injury of the Canine Small Intestine," <u>J. Am. Coll. Surg.</u> , 1997, 184(4):389-396
	ASSSSS	Torri et al., "Synaptosomal Iron-Dependent Lipid Peroxidation Inhibition After Subarachnoid Hemorrhage by Lazaroid In Vivo Treatment," <u>Molecular and Chem. Neuropathol</u> , 1997, 30(1/2):15-24
	ATTTTT	Villa and Gorini, "Pharmacology of Lazaroids and Brain Energy Metabolism: A review," <u>Pharmacological Reviews</u> , 1997, 49(1):99-136
	AUUUUU	Warnock and Rajotte, "Critical Mass of Purified Islets That Induce Normoglycemia After Implantation Into Dogs," <u>Diabetes</u> , 1988, 37(4):467-470
	AVVVVV	Welling et al., "Systemic Delivery of the Interleukin-1 Receptor Antagonist Protein Using a New Strategy of Direct Adenoviral-Mediated Gene Transfer to Skeletal Muscle Capillary Endothelium in the Isolated Rat Hindlimb," <u>Human Gene Therapy</u> , 1996, 7(15):1795-1802
	AWWWWW	Wesch et al., "Comparative analysis of $\alpha\beta$ and $\gamma\delta$ T cell activation by <i>Mycobacterium tuberculosis</i> and isopentenyl pyrophosphate," <u>Eur. J. Immunol.</u> , 1997, 27(4):952-956
	AXXXXX	Widner et al., "Transplanted Allogeneic Fetal Dopamine Neurons Survive and Improve Motor Function in Idiopathic Parkinson's Disease," <u>Transplantation Proceedings</u> , 1991, 23:793-795
	AYYYYY	Williams et al., "Continuous infusion of nerve growth factor prevents basal forebrain neuronal death after fimbria fornix transection," <u>Proc. Natl. Acad. Sci. USA</u> , 1986, 83(23):9231-9235
	AZZZZZ	Wilson, <u>Biotechnology</u> , 1983, 1:3-4
	AAAAAA	Wong and Chang, "The Viability and Regeneration of Artificial Cell Microencapsulated Rat Hepatocyte Xenograft Transplants in Mice," <u>Biomat., Art. Cells, Art. Org.</u> , 1988, 16(4):731-739
	ABBBBB	Wong and Chang, "The Microencapsulation of Cells Within Alginate Poly-L-Lysine Microcapsules Prepared with the Standard Single Step Drop Technique: Histologically Identified Membrane Imperfections and the Associated Graft Rejection," <u>Biomat., Art. Cells & Immob. Biotech.</u> , 1991, 19(4):675-686
	ACCCCC	Wong and Chang, "A Novel Two Step Procedure For Immobilizing Living Cells in Microcapsules for Improving Xenograft Survival," <u>Biomat., Art. Cells & Immob. Biotech.</u> , 1991, 19(4):687-697

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	ADDDDD	Young et al., "Inverted Microcarriers. Using Microencapsulation to Grow Anchorage-Dependent Cells in Suspension," <u>BioPharm.</u> , 1989, 2:34-46
	AEEEEEE	Young, "Inverted Microcarriers: Using Microencapsulation to Grow Anchorage-Dependent Cells," <u>Fundamentals of Animal Cell Encapsulation and Immobilization</u> , CRC Press, 1993, Chapter 11, pp. 243-265
	AFFFFFFF	Zurawski and de Vries, "Interleukin 13, an interleukin 4-like cytokine that acts on monocytes and B cells, but not on T cells," <u>Immunology Today</u> , 1994, 15(1):19-26

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